

# GAS SPRING WITH THROUGH BORE PASSAGE

**Note:**

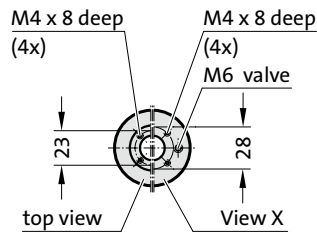
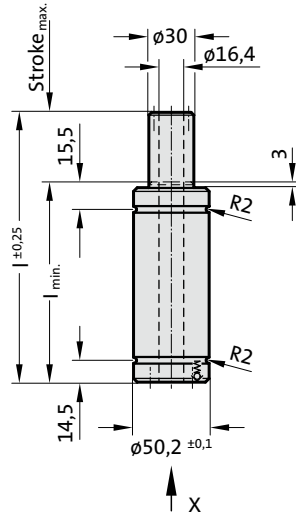
Initial spring force at 150 bar = 490 daN

When mounting to floor, contact over the entire floor of the cylinder tube must be ensured!

Order No for spare parts kit: 2496.12.00490

Pressure medium: Nitrogen N<sub>2</sub>  
 Max. filling pressure: 150 bar  
 Min. filling pressure: 50 bar  
 Working temperature: 0°C to +80°C  
 Temperature related force increase: ± 0.3%/°C  
 Max. recommended extensions per minute: approx. 15 to 40 (at 20°C)  
 Max. piston speed: 0.5 m/s

2496.12.00490.



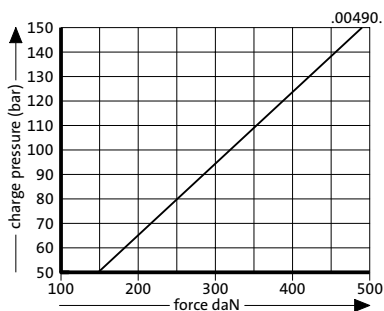
2496.12.00490.

Gas spring with through bore passage

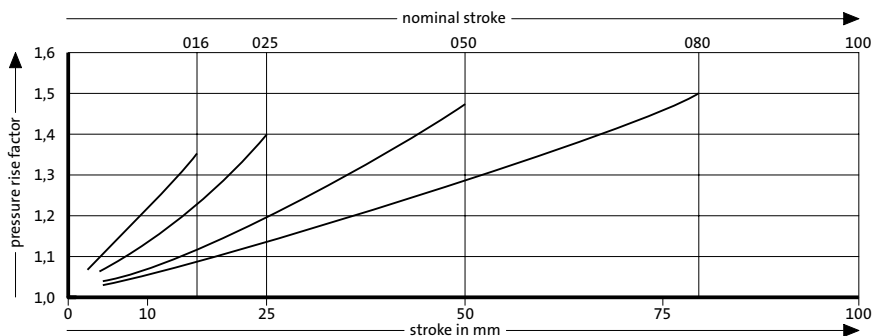
Order No	Stroke <sub>max.</sub> (s)	l <sub>min.</sub>	l	g <sub>2</sub> *
2496.12.00490.016	16	96	112	88
2496.12.00490.025	25	105	130	97
2496.12.00490.050	50	130	180	122
2496.12.00490.080	80	160	240	152

see mounting example

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!